Amendments t the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A motor, comprising:

a rotor, comprising a plurality of first rotator portions, each having a permanent magnet, and one or a plurality of second rotator portions, each having magnetic saliency, at least two of said first rotator portions being separated in a direction of a longitudinal axis of a rotating shaft by at least one of said second rotator portions, at least one of said first rotator portions being magnetically coupled with at least one of said second rotator portions in a field where said first rotator portion and said second rotator portion are in complete magnetic contact without a non-magnetic member disposed therebetween, at least one of said second rotator portions having a plurality of inverted circular arc-shaped notches on a circumferential portion of a substantially circular plate or a substantially cylindrical column, and a full or partial contour portion of at least one of said notches opposes a respective one of said permanent magnet; and

a stator which generates a magnetic field for driving said rotor when electric current is supplied.

2. (Original) The motor according to claim 1, wherein said plurality of first rotator portions are not arranged adjacent to each other.

3.-4. (Cancelled).

5. (Previously Presented) The motor according to claim 1, wherein said first rotator portion and said second rotator portion are arranged adjacent to each other in such a manner that current phases for generating maximum torque for both the first rotator portion and the second rotator portion are in electrical phase with one another.

6. (Original) The motor winding according to claim 1, wherein said stator has a stator winding of distributed winding or a stator winding of concentrated winding.

7. (Previously Presented) A driving unit equipped with a motor according to any one of claims 1-2 and 5-6, and a fuel cell as power supply for said motor.

8. (Original) An electric vehicle comprising a driving unit according to claim 7.

9. (Withdrawn) A hybrid electric vehicle, comprising:

electric energy storing means of storing electric power;

a motor for driving through the use of electric power of said electric energy storing means;

motor control means of controlling said motor;

a power regulator provided between said motor and said electric energy storing means, for converting their both power;

an engine for driving using fuel; and

engine control means of controlling said engine, wherein said hybrid electric vehicle being traveling through the use of a driving force of said motor and a driving force of said engine, and

wherein said motor has:

(1) a rotor comprising a first rotator portion having a permanent magnet and a second rotator portion having magnetic saliency coupled in the direction of a rotating shaft; and

(2) a stator which generates magnetic a field for driving said rotor.

10. (Withdrawn) The hybrid electric vehicle according to claim 9, wherein said first rotator portion and said second rotator portion are coupled at such a mechanical angle that a current phase with which maximum torque of said first rotator portion

occurs, and a current phase with which maximum torque of said second rotator portion occurs become actually in the same phase.

11. (Withdrawn) The hybrid electric vehicle according to claim 9 or 10, further comprising:

abnormality monitoring means of monitoring occurrence of an abnormal state in said electric energy storing means; and

power regulator control means of controlling an operation of said power regulator on the basis of a signal from said abnormality monitoring means.

12. (Withdrawn) The hybrid electric vehicle according to claim 11, wherein said abnormality monitoring means has at least one means, of voltage monitoring means of monitoring voltage of said energy storing means, current monitoring means of monitoring current of said energy storing means, temperature monitoring means of monitoring temperature of said energy storing means, and power regulator monitoring means of monitoring abnormality of said power regulator.

13. (Currently Amended) The motor winding according to claim 1, wherein said second rotator portion defines said plurality of notches as voids to ~~substnatially~~substantially prevent magnetic flux leakage between said first rotator portion and said second rotator portion.

14. (New) A motor, comprising:

a rotor, comprising a plurality of first rotator portions, each having a permanent magnet, and one or a plurality of second rotator portions, each having magnetic saliency, at least two of said first rotator portions being separated in a direction of a longitudinal axis of a rotating shaft by at least one of said second rotator portions, at least one of said first rotator portions being magnetically coupled with at least one of said second rotator portions, at least one of said second rotator portions having a plurality of inverted circular arc-shaped notches on a circumferential portion of a substantially circular plate or a substantially cylindrical column, and a full or partial contour portion of at least one of said notches opposes a respective one of said permanent magnet, said second rotator portion defining said

plurality of notches as substantially air-filled voids to substantially prevent magnetic flux leakage between said first rotator portion and said second rotator portion; and

a stator which generates a magnetic field for driving said rotor when electric current is supplied.